

Abstract of the Disclosur

A process for applying an opaque, corrosion resistant, 100% solids, UV curable finish to parts for underhood use in motor vehicles with the steps of: 1. Prepare a UV curable, 100% solids, opaque, corrosion resistant coating. 2. Apply the coating to underhood motor vehicle parts by the use of HVLP or electrostatic spray. 3. Cure the coating with single or a combination of ultra-violet lights containing an array ultraviolet frequencies sufficient to provide both a surface cure and to penetrate the opaque pigment to provide curing and adhesion to the substrate. Lights must be configured in such a way that every surface of the parts must be struck by the necessary array of frequencies of light. Use no heat. 4. Parts are ready to handle or ship immediately. This process cuts the time, energy, and space needed to coat and cure opaque, corrosion resistant parts. It also eliminates the need for pollution control technology.